STATE OF RHODE ISLAND AND PROVIDENCE PLANTATIONS

Department of Environmental Management
DIVISION OF FOREST ENVIRONMENT
R. F. D. #2, Box 851
North Scituate, R.I. 02857

December 29, 1987

Mel Weiss
USDA Forest Service
Northeastern Area S & PF
P.O. Box 640
Durham, NH 03824

Dear Mel:

Enclosed are our pest condition reports for 1987.

In addition to these pests, we have seen some Hemlock scale (Abgrallaspis ithacae) in Johnston. We are also seeing heavy infestations of spider mites (Oligonychus ununguis) in Christmas tree plantations throughout the state. The mites are attacking spruce and firs.

I trust these reports are satisfactory to your needs.

Sincerely,

Thomas G. Bourn
Principal Forester

enclosures

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1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Red Pine Adelgid

(SPECIFIC NAME): Pineus boerneri

HOST: Red Pine

PRESENT CONDITION:

AREA - TOTAL ACRES: Approximately 5,000 in scattered plantations throughout the state.

LOCATION: Statewide

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

No control methods employed. Salvage has begun on some plantations, and some harvesting has been done in anticipation of mortality.

ADDITIONAL COMMENTS:

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1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Oak Leaf Tier

(SPECIFIC NAME): Croesia semipurpurana

HOST: Oaks, primarily red oaks

PRESENT CONDITION: Minor localized infestation

AREA - TOTAL ACRES: 500 acres

LOCATION: Glocester, Providence County

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

500 acres of heavy defoliation

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

Volume loss = 250,000 bd ft.
Dollar loss = $75,000

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

Infestations continue light and scattered in northern border towns of the state.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

No control used

ADDITIONAL COMMENTS:

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1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Frost Injury

(SPECIFIC NAME):

HOST:
All deciduous species in lowland drainage areas.

PRESENT CONDITION:

AREA - TOTAL ACRES: 10.000±

LOCATION: Lowland areas in Kent and northern Washington County

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

All overstory newly emergent leaves were killed by a frost occuring on May 9, 1987.

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

Unknown

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

Unusuallylarge area

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

None

ADDITIONAL COMMENTS:

This damage occurred in an area of expected gypsy moth defoliation. There was little subsequent damage as the gypsy moth defoliation did not occur. A similar situation existed in 1985, when gypsy moths did defoliate the surrounding areas, probably contributing to greater than usual defoliation by the caterpillars.

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1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Gypsy moth

(SPECIFIC NAME):Lymantria dispar

HOST: Oaks

PRESENT CONDITION:

AREA - TOTAL ACRES: 275 acres of heavy defoliation and 4,775 acres of moderate defoliation.

LOCATION: Scattered in Providence, Kent, and Washington Counties

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

See above acres. Heavy = 60%+ Moderate = 30-59% defoliation.

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

275 acres, 500 bd ft acre loss, dollar loss $20,650

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

Population is well down from 1986. Continued low level of defoliation expected for 1988. Most potential defoliation will occur in Washington county.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

No control projects for 1987.

ADDITIONAL COMMENTS:

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1987 PEST CONDITIONS REPORT WORK SHEET

PEST - (COMMON NAME): Orange striped oak worm

(SPECIFIC NAME): Anisota senatoria

HOST: Oaks

PRESENT CONDITION:

AREA - TOTAL ACRES: 300

LOCATION: Glocester, Providence County

SEVERITY - INCLUDE ACRES OF MODERATE AND HEAVY DEFOLIATION OR INFECTION; DEFINE CLASSES:

Moderate

LOSSES - INCLUDE AREAS OF TREE MORTALITY; ALSO VOLUME AND/OR $ ESTIMATES:

TREND - CHANGES IN INCIDENCE AND SEVERITY OVER THE PAST FEW YEARS AND EXPECTATIONS FOR NEXT YEAR:

The oakworm is down considerably from 1986 and 1985 when large areas in Kent and Washington Counties were totally defoliated.

CONTROL PROJECTS - METHOD, MATERIAL, ACRES, COST, RESULTS:

None

ADDITIONAL COMMENTS: